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PTO/SB/21 (08-00)

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TRANSMITTAL FORM

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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>		Application Number	
		Filing Date	10/22/2001
		First Named Inventor	Yongchang Qiu et al
		Group Art Unit	
		Examiner Name	
Total Number of Pages in This Submission	5	Attorney Docket Number	GII5412-1AUSA



ENCLOSURES *(check all that apply)*

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
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<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Cathy A. Kodroff, Esquire Howson and Howson
Signature	
Date	1-18-2002

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00270
PATENT TRADEMARK OFFICE
GII5412-1AUSA

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of) Group Art Unit:
)
Yongchang Qiu et al) Examiner:
)
Appln. No.)
)
Filed: October 22, 2001)
)
For: ISOTOPE-CODED IONIZATION-) HAND-DELIVERY
ENHANCING REAGENTS (ICIER) FOR) January 18, 2002
HIGH-THROUGHPUT PROTEIN)
IDENTIFICATION AND)
QUANTITATION USING MATRIX-)
ASSISTED LASER DESORPTION)
IONIZATION MASS SPECTROMETRY)

Assistant Commissioner for Patents
Washington, DC 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

Applicants submit to the Examiner the attached Form PTO/SB/08A/B document listing and this paper pursuant to 37 CFR §1.56 and § 1.97-1.98. Form PTO/SB/08A/B is attached and copies of the references are enclosed herewith.

This Information Disclosure Statement is submitted within three months of the filing date of this application, and prior to receipt of an Office Action on the merits. Therefore, no fees are believed due. However, the Director of the U. S. Patent and Trademark Office is hereby authorized to charge any deficiency in any fees due with the filing of this paper or credit any overpayment in any fees paid on the filing, or during prosecution of this application to Deposit Account No. 08-3040.

The Examiner is respectfully requested to consider the documents identified in this paper and in the attached Form PTO/SB/08A/B during the course of the examination of this application.

Respectfully submitted,

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Attorneys for the Applicants

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PTO/SB/08A (08-00)

<p>Substitute for Form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>				Complete if Known	
				Application Number	
				Filing Date	October 22, 2001
				First Named Inventor	Yongchang Qiu et al
				Group Art Unit	
Examiner Name					
Sheet	1	of	2	Attorney Docket Number	GII5412-1AUSA

U.S. PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
AA	4,977,320	B1	S. Chowdhury	12/11/1990		
AB	5,245,186	B1	B. Chait	09/14/1993		
AC	5,288,644	B1	R. Beavis	02/22/1994		
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AF	5,792,664	B1	B. Chait	08/11/1998		

FOREIGN PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office ³	Number ⁴			
AL	WO	WO93/24834	A1	B. Chait	12/09/1993	
AM	WO	WO91/04781	A1	R. Beavis	04/18/1991	
AN	WO	WO00/11208	A1	R. Aebersold	03/02/2000	

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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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PTO/SB/08B (08-00)

<p>Substitute for Form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>				Complete if Known	
				Application Number	
				Filing Date	October 22, 2001
				First Named Inventor	Yongchang Qiu et al
				Group Art Unit	
Examiner Name					
Sheet	2	of	2	Attorney Docket Number	GII5412-1AUSA

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS					
Examiners Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
	AR	E. KRAUSE et al, "The Dominance of Arginine-Containing Peptides in MALDI-Derived Tryptic Mass Fingerprints of Proteins", Analytical Chemistry, 71(19)4160-4165 (October, 1999)			
	AS	M. MANN, "Quantitative Proteomics?", Nature Biotechnology, 17:954-955 (October, 1999)			
	AT	S. SECHI et al, "Modification of Cysteine Residues by Alkylation. A Tool in Peptide Mapping and Protein Identification", Analytical Chemistry, 70(24):5150-5158 (December, 1998)			
	AU	S. GYGI et al, "Quantitative Analysis of Complex Protein Mixtures Using Isotope-Coded Affinity Tags", Nature Biotechnology, 17:994-999 (October, 1999)			
	AV	D. FENYO et al, "Protein Identification Using Mass Spectrometric Information", Electrophoresis, 19:998-1005 (1998)			

Examiner Signature		Date Considered	
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